



Sequence Listing

<110> GRETCHEN FRANTZ
KENNETH HILLAN
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THOMAS WU
ZEMIN ZHANG

<120> COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
TREATMENT OF TUMOR

<130> P5035R1-US

<140> US 10/773,715

<141> 2004-02-05

<150> US 60/445,396

<151> 2003-02-05

<160> 6

<210> 1

<211> 469

<212> DNA

<213> Homo sapien

<400> 1

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aatgatgagt gggtagacgc tgccttcac ttcgccatca gcgagtataa 200
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ccaggcaaca gaccgttggg ggggtgaatt acttcttcga cgtagaggtg 300
ggccgaacca tatgtaccaa gtcccagcc aacttggaca cctgtgcctt 350
ccatgaacag ccagaactgc agaagaaaca gttgtgctct ttcgagatct 400
acgaagtcc ctgggagaac agaaggtccc tgggtgaattc caggtgtcaa 450
gaagcctagg gaagggcga 469

<210> 2

<211> 694

<212> DNA

<213> Homo sapien

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 cgtgcccttc actttgtcat cagcgagtat aacaaggcca ctgaagatga 200
 gtactacaga cgctgctgc ggggtgctacg agccagggag cagatcgtgg 250
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 ccaggagtc aactgacca cctcctactc ccaccccttg tagtgetccc 500
 acccctggac tgggtggccc caccctgtgg gaggtctccc catgcacctg 550
 cagcaggaga agacagagaa ggctgcagga ggcccttgggt gctcagcagg 600
 ggactctgcc ctccctcctt ccttttgctt ctcatagccc tggtagatgg 650
 tacacacacc ccacctcct gcaattaaac agtagcatca cctc 694

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<211> 1658

<212> DNA

<213> Homo sapien

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 atttcaggga gacactccat cacagtcact actgtgcct cagctgggaa 200
 cattggggag gatggaatcc tgagctgcac ttttgaacct gacatcaaac 250
 tttctgatat cgtgatacaa tggctgaagg aagggtgtttt aggcttggtc 300
 catgagttca aagaaggcaa agatgagctg tcggagcagg atgaaatgtt 350
 cagaggccgg acagcagtgt ttgctgatca agtgatagtt ggcaatgcct 400
 ctttgccggt gaaaaacgtg caactcacag atgctggcac ctacaaatgt 450
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tgggcatccc aagttgacca gggagccaac ttctcggaag tctccaatac 650
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 gcatccccag atctcagga cctccccctg cctgtcacct ggggagttag 1250
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<210> 4

<211> 141

<212> PRT

<213> Homo sapien

<400> 4

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Ala	Val	Ala	Leu	Ala	Trp	Ser	Pro	Lys	Glu	Glu	Asp	Arg	Ile	Ile
			20						25				30	

Pro	Gly	Gly	Ile	Tyr	Asn	Ala	Asp	Leu	Asn	Asp	Glu	Trp	Val	Gln
			35					40					45	

Arg	Ala	Leu	His	Phe	Ala	Ile	Ser	Glu	Tyr	Asn	Lys	Ala	Thr	Lys
			50						55					60
Asp	Asp	Tyr	Tyr	Arg	Arg	Pro	Leu	Arg	Val	Leu	Arg	Ala	Arg	Gln
			65						70					75
Gln	Thr	Val	Gly	Gly	Val	Asn	Tyr	Phe	Phe	Asp	Val	Glu	Val	Gly
			80						85					90
Arg	Thr	Ile	Cys	Thr	Lys	Ser	Gln	Pro	Asn	Leu	Asp	Thr	Cys	Ala
			95						100					105
Phe	His	Glu	Gln	Pro	Glu	Leu	Gln	Lys	Lys	Gln	Leu	Cys	Ser	Phe
			110						115					120
Glu	Ile	Tyr	Glu	Val	Pro	Trp	Glu	Asn	Arg	Arg	Ser	Leu	Val	Asn
			125						130					135
Ser	Arg	Cys	Gln	Glu	Ala									
			140											

<210> 5
 <211> 141
 <212> PRT
 <213> Homo sapien

<400> 5														
Met	Ala	Trp	Pro	Leu	Cys	Thr	Leu	Leu	Leu	Leu	Leu	Ala	Thr	Gln
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Ala	Val	Ala	Leu	Ala	Trp	Ser	Pro	Gln	Glu	Glu	Asp	Arg	Ile	Ile
			20						25					30
Glu	Gly	Gly	Ile	Tyr	Asp	Ala	Asp	Leu	Asn	Asp	Glu	Arg	Val	Gln
			35						40					45
Arg	Ala	Leu	His	Phe	Val	Ile	Ser	Glu	Tyr	Asn	Lys	Ala	Thr	Glu
			50						55					60
Asp	Glu	Tyr	Tyr	Arg	Arg	Leu	Leu	Arg	Val	Leu	Arg	Ala	Arg	Glu
			65						70					75
Gln	Ile	Val	Gly	Gly	Val	Asn	Tyr	Phe	Phe	Asp	Ile	Glu	Val	Gly
			80						85					90
Arg	Thr	Ile	Cys	Thr	Lys	Ser	Gln	Pro	Asn	Leu	Asp	Thr	Cys	Ala
			95						100					105
Phe	His	Glu	Gln	Pro	Glu	Leu	Gln	Lys	Lys	Gln	Leu	Cys	Ser	Phe
			110						115					120
Gln	Ile	Tyr	Glu	Val	Pro	Trp	Glu	Asp	Arg	Met	Ser	Leu	Val	Asn
			125						130					135
Ser	Arg	Cys	Gln	Glu	Ala									
			140											

<210> 6

<211> 282
 <212> PRT
 <213> Homo sapien

<400> 6

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			20						25					30	
Ile	Ser	Gly	Arg	His	Ser	Ile	Thr	Val	Thr	Thr	Val	Ala	Ser	Ala	
			35						40					45	
Gly	Asn	Ile	Gly	Glu	Asp	Gly	Ile	Leu	Ser	Cys	Thr	Phe	Glu	Pro	
			50						55					60	
Asp	Ile	Lys	Leu	Ser	Asp	Ile	Val	Ile	Gln	Trp	Leu	Lys	Glu	Gly	
			65						70					75	
Val	Leu	Gly	Leu	Val	His	Glu	Phe	Lys	Glu	Gly	Lys	Asp	Glu	Leu	
			80						85					90	
Ser	Glu	Gln	Asp	Glu	Met	Phe	Arg	Gly	Arg	Thr	Ala	Val	Phe	Ala	
			95						100					105	
Asp	Gln	Val	Ile	Val	Gly	Asn	Ala	Ser	Leu	Arg	Leu	Lys	Asn	Val	
			110						115					120	
Gln	Leu	Thr	Asp	Ala	Gly	Thr	Tyr	Lys	Cys	Tyr	Ile	Ile	Thr	Ser	
			125						130					135	
Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu	Tyr	Lys	Thr	Gly	Ala	Phe	
			140						145					150	
Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn	Ala	Ser	Ser	Glu	Thr	
			155						160					165	
Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln	Pro	Thr	Val	Val	
			170						175					180	
Trp	Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser	Glu	Val	Ser	
			185						190					195	
Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met	Lys	Val	
			200						205					210	
Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser	Cys	
			215						220					225	
Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val	
			230						235					240	
Thr	Glu	Ser	Glu	Ile	Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	
			245						250					255	
Ser	Lys	Ala	Ser	Leu	Cys	Val	Ser	Ser	Phe	Phe	Ala	Ile	Ser	Trp	
			260						265					270	

Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys
275 280